Altair™ Z-80 CPU Board

The new Z-80 Central Processor Board is useful in any Altair 8800 application requiring faster execution and less memory. This single plug-in PC board provides all pertinent "8080 type" status, control and clock signals as well as Altair 8800 series compatibility.

Internal Hardware

A) 12 General Purpose Registers
B) 2 Accumulators
C) 2 Index Registers
D) 2 Flag Registers

Software

A) Upward Compatible with 8080
The increased instruction & addressing modes allow faster program execution with less memory space:

1. Includes all 78 8080 instructions plus 80 additional instructions. Added instructions include a block transfer group, block search group and individual bit manipulation group.
2. Includes all 8080 addressing modes plus "Indexed" and "Bit" modes.

B) Z-80 BASIC

Specifications

Power: +5V at 500 mA
+12V at 15 mA

Instruction Cycle: 2 microseconds minimum

Block Transfer Rate: 95,000 bytes per second including increment and decrement overhead

Dimensions: 10" x 5"

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2450 Alamo S.E. / Albuquerque, New Mexico 87106